

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims**

Claims 1-28 (cancelled)

Claim 29 (Currently Amended): A method for restoring thiol homeostasis in a subject in need thereof, comprising administering to said subject an effective amount of a mixture of peptides comprising at least 6.5 %wt cysteine, wherein at least 80% of the cysteine residues are in the oxidized form.

Claim 30 (Currently Amended): The method according to claim 29, wherein said ~~mixture of peptides~~ is administered to prevent and/or reduce effects of alcohol consumption in a subject in need thereof.

Claim 31 (Withdrawn): The method according to claim 30, wherein said mixture of peptides is administered to prevent and/or reduce a hangover.

Claim 32 (Withdrawn): The method according to claim 30, wherein said mixture of peptides is administered to prevent and/or reduce face flushing.

Claim 33 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to boost vitality.

Claim 34 (Withdrawn): The method according to claim 33, wherein said mixture of peptides is administered to prevent and/or reduce fatigue.

Claim 35 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to improve sleeping.

Claim 36 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to prevent development of symptoms of Metabolic Syndrome such as non-insulin dependent diabetes.

Claim 37 (Withdrawn): The method according to claim 36, wherein said mixture of peptides is administered to prevent and/or reduce the development of cardiovascular diseases such as atheroscleropathy.

Claim 38 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to lower blood pressure.

Claim 39 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to prevent and/or treat drug-induced toxicity.

Claim 40 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to lighten skin.

Claim 41 (Withdrawn): The method according to claim 29, wherein said mixture of peptides is administered to reduce inflammation.

Claim 42 (Currently Amended): The method according to claim 29, wherein said mixture of peptides comprising at least ~~6.5% wt~~ 6.5 wt. cysteine is obtained by a method comprising the steps of:

- a) cleaving proteins of a protein source into peptides;
- b) digesting the peptides obtained in step a) by an exopeptidase, the action of which is at least attenuated at a position of a cysteine in the peptide, therewith forming digested peptides having a terminal cysteine; and
- c) purifying the digested peptides.

Application No. 10/589,181  
Paper Dated: March 8, 2010  
In Reply to USPTO Correspondence of September 8, 2009  
Attorney Docket No. 0470-062372

Claim 43 (New): The method according to claim 42, wherein said proteins comprise whey proteins.

Claim 44 (New): The method according to claim 19, wherein said peptides comprise between 6.5 and 20 wt. % of cysteine residues.

Claim 45 (New ): The method according to claim 29, wherein said mixture of peptides is derived from whey proteins.

Claim 46 (New ): The method according to claim 29, wherein said peptides have a molecular weight between 400 and 6,000 Da.